

#### **TARIFF**

## **PERMANENT**

Effective Date:

November 1, 2013

#### **AVAILABILITY**

Available to all cooperative associations which are or shall be collective all-requirements Class A members ("CARM") of the Arizona Electric Power Cooperative, Inc. ("AEPCO").

## MONTHLY RATE (BILLING PERIOD)

Electric power and energy furnished under this Tariff will be subject to the rates set forth in the attached Exhibit A and the terms set forth herein in addition to any applicable terms set forth in the Member's Wholesale Power Contract.

<u>Billing Month</u> – The first calendar month preceding the month the bill is rendered.

<u>Demand Overrun Adjustment</u> – If, in any hour, the CARM's metered load exceeds its Allocated Capacity, then AEPCO shall compute a Demand Overrun Adjustment for the CARM and each Member shall be charged a portion of such Demand Overrun Adjustment in proportion to that Member's demand ratio share. Such Demand Overrun Adjustment shall equal the product of the CARM's Fixed Charge multiplied by the demand overrun adjustment factor. The demand overrun adjustment factor shall be any non-negative number determined from the following formula:

doaf = ((mbdkW) / AC) - 1

Where:

doaf = Demand Overrun Adjustment Factor,

mbdkW = Metered kW of CARM, and

AC = Allocated Capacity of CARM, in kW.

In addition, Member shall pay for the energy associated with the Demand Overrun Adjustment at the then-applicable Other Resources Energy Rate.

<u>Power Factor</u> – Each Member shall maintain Power Factor at the time of maximum demand as close to unity as possible. If the Power Factor of Member measured at the aggregated Member's Delivery Point(s) at the time of Member peak demand is outside a bandwidth of 95% leading to 95% lagging, a Power Factor Adjustment shall be separately charged to the Member. The Power Factor Adjustment shall be the product of the Member's power factor adjustment (as set forth

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below) multiplied by the quotient of the Member's demand ratio share of the CARM O&M Charge divided by the sum of the CARM's 12-month rolling average demand. The power factor adjustment shall be any non-negative number determined from the following formula:

# pfakW = ((mkW / mpf)(bpf)) - mkW

Where:

pfakW = power factor adjustment in kW,

mkW = Member Metered kW,

mpf = measured power factor at the time of Member peak demand, and

bpf = 0.95.

The provisions of the power factor adjustment may be waived if power factor is detrimentally impacted as a direct result of system improvements or a change in operational procedure by AEPCO to reduce transmission losses and/or improve system reliability.

<u>Capacity and Energy Below Allocated Capacity</u> – If CARM is utilizing a Future Resource, Supplemental Purchase, S&G PPA in any hour to serve Native Load and CARM fails to take its required share of Minimum Base Capacity or Minimum Other Capacity, CARM shall pay a charge as set forth in Section 2.4 of Rate Schedule A to the Member's Wholesale Power Contract.

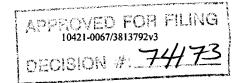
<u>Taxes</u> – Bills rendered are subject to adjustment for all federal, state and local government taxes or levies, including any taxes or levies imposed as a carbon tax or "cap and trade" or other carbon assessments system imposed on electricity sales or electricity production and any assessments that are or may be imposed by federal or state regulatory agencies on electric utility gross revenues.

<u>Transmission and Ancillary Service Charges</u> – Each Class A member shall also be billed by AEPCO for charges AEPCO incurs for the transmission of power and energy to the Class A member's delivery point(s). Such charges will be assessed to the Class A member at the rates actually charged AEPCO by the transmission provider and others for transmission service and the provision of ancillary services.

## Power Cost Adjustor Rates and Power Cost Bank Charges

"Base Resources" are defined as (1) AEPCO's Steam Turbine Units 2 and 3, (2) power purchased under contract from the Western Area Power Administration and (3) economy purchases displacing base resources generation.

"Other Resources" are defined as (1) AEPCO's generation units other than Steam Turbine Units 2 and 3, (2) power purchased under contracts which serve the combined scheduled loads of AEPCO's Class A members plus power purchased under contract and economy energy purchases (other than economy purchases displacing base resources generation) made for the purpose of meeting the scheduled load requirements of all Class A members and (3) power purchased under contracts or resources which have been acquired to serve Class A Member load and which the Member has expressly agreed to in a participation agreement.



"Fixed Power Costs" are defined as those costs that do not vary directly with the production and/or purchase of electric power and energy. Such costs include, but are not limited to, demand charges, reservation charges, and wheeling expenses that do not vary directly with energy take.

The monthly bill computed under this Tariff shall, using the procedures stated herein, be increased or decreased by the monthly fixed costs adjustor charge, the monthly bank charges and an amount equal to the result of multiplying the kWh derived from each resource type by the applicable Power Cost Adjustor Rate for Base Resources and Other Resources where:

## Base Resources Adjustor Rate

BF = BPC - \$0.02958

- BF = Base Resources Power Cost Adjustor Rate in dollars per kWh, rounded to the nearest one-thousandth of a cent (\$0.00001).
- BPC = The Commission-allowed pro forma fuel costs of Base Resources generation, the purchased power costs of Base Resources and wheeling costs associated with Base Resources in dollars per kWh, rounded to the nearest one-thousandth of a cent (\$0.00001).

Allowable Base Resources fuel, purchased power and wheeling costs include:

- A. The costs of fossil fuel and natural gas consumed in AEPCO's Steam Generating Units 2 and 3 as recorded in RUS Account 501 (excluding those costs identified as Fixed Power Costs), plus
- B. The actual costs associated with Base Resources power purchased for reasons other than identified in paragraph (C) below as recorded in RUS Account 555 (excluding those costs identified as Fixed Power Costs), plus
- C. The cost of energy purchased when such energy is purchased on an economic dispatch basis to substitute for higher cost Base Resources energy as recorded in RUS Account 555, plus
- D. The firm and non-firm wheeling expenses associated with the delivery of Base Resources energy as recorded in RUS Account 565 (excluding those costs identified as Fixed Power Costs) excepting network service transmission payments made by AEPCO to Southwest Transmission Cooperative, Inc. for electric power and energy furnished to the CARM, less
- E. The energy costs recovered through non-tariff contractual firm sales of Base Resources power and energy as recorded in RUS Account 447, less
- F. The energy costs recovered through inter-system economy energy and/or intrasystem resource transfer sales of Base Resources power and energy sold on an economic dispatch basis as recorded in RUS Account 447.

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## Base Resources Bank Charge

BBC = BBA/6\*

- BBC = Base Resources Bank Charge in dollars per month, rounded to the nearest cent (\$0.01).
- BBA = The "Base Resources Bank Account" represents allowable accumulated fuel, purchased power and wheeling costs in dollars over- or under-collected in the past from Base Resources, rounded to the nearest cent (\$0.01).
- \* The BBC for each individual CARM is based on the accumulated (over)/under collected BBA for that individual Member.

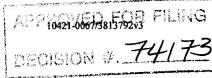
#### Other Resources Adjustor Rate

OF = OPC - \$0.03904

- OF = Other Resources Power Cost Adjustor Rate in dollars per kWh, rounded to the nearest one-thousandth of a cent (\$0.00001).
- OPC = The Commission-allowed pro forma fuel costs of Other Resources generation, Other Resources purchased power and wheeling costs associated with Other Resources in dollars per kWh, rounded to the nearest one-thousandth of a cent (\$0.00001).

Allowable Other Resources fuel, purchased power and wheeling costs include:

- A. The costs of fossil fuel and natural gas consumed in AEPCO's Steam Generating Units 1, 4, 5 and 6 as recorded in RUS Accounts 501 and 547 (excluding those costs identified as Fixed Power Costs), plus
- B. The actual costs associated with Other Resources purchased power for reasons other than identified in paragraph (C) below as recorded in RUS Account 555 (excluding those costs identified as Fixed Power Costs), plus
- C. The cost of Other Resources energy purchased when such energy is purchased on an economic dispatch basis. Included therein are such costs as those charged for economy energy purchases and the charges resulting from a scheduled outage of Other Resources generation units. All such kinds of Other Resources energy being purchased by AEPCO to substitute for its own higher cost Other Resources energy as recorded in RUS Account 555, plus
- D. The firm and non-firm wheeling expenses associated with the delivery of Other Resources energy as recorded in RUS Account 565 (excluding those costs identified as Fixed Power Costs), excepting network service transmission payments made by AEPCO to Southwest Transmission Cooperative, Inc. for electric power and energy furnished to the CARM, less



- E. The energy costs recovered through non-tariff contractual firm sales of Other Resources power and energy as recorded in RUS Account 447, less
- F. The energy costs recovered through inter-system economy energy and/or intrasystem resource transfer sales of Other Resources power and energy sold on an economic dispatch basis as recorded in RUS Account 447.

## Other Resources Bank Charge

OBC = OBA/6\*

- OBC = Other Resources Bank Charge in dollars per month, rounded to the nearest cent (\$0.01).
- OBA = The "Other Resources Bank Account" represents allowable accumulated fuel, purchased power and wheeling costs in dollars over- or under-collected in the past from Other Resources, rounded to the nearest cent (\$0.01).
- \* The OBC for each individual CARM is based on the accumulated (over)/under collected OBA for that individual Member.

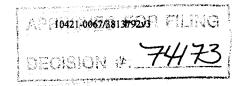
#### Fixed Power Costs Adjustor Charge

FC = FPC - \$183,236 \*

- FC = Fixed Power Costs Adjustor Charge in dollars per month, rounded to the nearest cent (\$0.01).
- FPC = The Commission-allowed pro forma fixed fuel costs of Base and Other Resources generation, fixed costs of Base and Other Resources purchased power and fixed wheeling costs associated with Base and Other Resources in dollars, rounded to the nearest cent (\$0.01).

Allowable fixed fuel, purchased power and wheeling costs include:

- A. The fixed costs of fossil fuel and natural gas consumed in AEPCO's Steam Generating Units as recorded in RUS Accounts 501 and 547, plus
- B. The fixed costs associated with purchased power as recorded in RUS Account 555, plus
- C. The fixed wheeling expenses associated with the delivery of Base and Other Resources energy as recorded in RUS Account 565, excepting network service transmission payments made by AEPCO to Southwest Transmission Cooperative, Inc. for electric power and energy furnished to the CARM, less



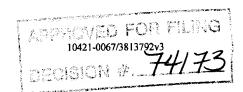
- D. The demand and other fixed costs recovered through non-tariff contractual firm sales of power and energy as recorded in RUS Account 447, less
- E. The demand and other fixed costs recovered through inter-system economy energy and/or intra-system resource transfer sales of power and energy sold on an economic dispatch basis as recorded in RUS Account 447.
- \* The FC is apportioned among the CARMs and allocated to each CARM based upon each CARM's monthly Demand Ratio Share. The Demand Ratio Share is calculated each month as the percentage of each CARM's 12-month rolling average demand to the total of the CARMs' 12-month rolling average demand.

## Fixed Power Costs Bank Charge

FBC = FBA/6\*

- FBC = Fixed Power Costs Bank Charge in dollars per month, rounded to the nearest cent (\$0.01).
- FBA = The "Fixed Power Costs Bank Account" represents allowable accumulated fixed fuel, purchased power and wheeling costs in dollars over- or under-collected in the past, rounded to the nearest cent (\$0.01).
- \* The FBC for each individual CARM is based on the accumulated (over)/under collected FBA for that individual Member.

For purposes of calculating the Power Cost Bank Charges, AEPCO shall separately track each individual CARM's BBA, OBA and FBA. In addition, on a calendar semi-annual basis, AEPCO shall compute the Power Cost Adjustor Rates as specified herein based upon a rolling 12-month average of allowable fuel, purchased power and wheeling costs for the BPC, the OPC and the FPC. AEPCO shall initially file by March 1, 2014 and thereafter on March 1 and September 1 of the month preceding the effective date of the revised Power Cost Adjustor Rates and Power Cost Bank Charges (i.e., April 1 or October 1): (1) calculations supporting the revised Adjustor Rates and Bank Charges with the Director, Utilities Division, and (2) a Tariff reflecting the revised Adjustor Rates and Bank Charges with the Commission, which Tariff shall be effective for billings after the first day of the following month and which shall continue in effect until revised pursuant to the procedures specified herein.



## **EXHIBIT A**

Effective Date	November 1, 2013 (1)
Collective All-Requirements Members:	
Total Fixed Charge/Month	\$280,682 (2)
Total O&M Charge/Month	\$462,845 (2)
Base Resources Energy Rate – \$/kWh	\$0.02958
Other Resources Energy Rate – \$/kWh	\$0.03904

Adjustor Rates/Charges

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Base Resources Power Cost Adjustor Rate - \$/kWh	\$0.00000*
Other Resources Power Cost Adjustor Rate – \$/kWh	\$0.00000*
Fixed Power Costs Adjustor Charge – Total \$/mo. (2)	\$0.00*

## **Bank Charges**

Anza	Electric	Cooperative, Inc.

Base Resources Bank Charge - \$/mo.	\$0.00*
Other Resources Bank Charge - \$/mo.	\$0.00*
Fixed Power Costs Bank Charge - \$/mo.	\$0.00*

## Duncan Valley Electric Cooperative, Inc.

Base Resources Bank Charge – \$/mo.	\$0.00*
Other Resources Bank Charge – \$/mo.	\$0.00*
Fixed Power Costs Bank Charge - \$/mo.	\$0.00*

## Graham County Electric Cooperative, Inc.

\$0.00*
\$0.00*
\$0.00*

(1) Rates are effective for service provided on and after this date.

(2) The Total Fixed Charge, the Total O&M Charge, and the Fixed Power Costs Adjustor Charge are apportioned among the CARMs and allocated to each CARM based upon each CARM's monthly Demand Ratio Share. The Demand Ratio Share is calculated each month as the percentage of each CARM's 12-month rolling average demand to the total of the CARMs' 12-month rolling average demand.

\* Effective November 1, 2013 and determined and revised as set forth in the Tariff.

